

CLAIMS:

We claim:

5

1. A business logic server for forming priority data structures, the business logic server comprising, in combination:

a memory;

a processing module communicatively coupled to the memory,

10

wherein the processing module receives at least one transmission rule and a data download and stores the at least one transmission rule and the data download in the memory;

wherein the processing module is programmed to format the at least one transmission rule into at least one priority data structure and stores the priority data structure in the memory;

15

wherein the processing module is programmed to create an input file in the memory and format the data download into the input file; and

wherein the processing module transmits the input file and the at least one priority data structure from the memory to a network logic server.

20

2. The business logic server of claim 1, wherein the processing module receives a transaction report from the network logic server, and wherein the transaction report includes a result code, wherein the processing module extracts the code from the transaction report and stores the code in a log file.

3. The business logic server of claim 1, wherein the at least one priority data structure comprises a priority mapping table.

5 4. The business logic server of claim 1, wherein the at least one priority data structure comprises an off-peak setting table.

10 5. The business logic server of claim 1, wherein the at least one priority data structure comprises a resource allocation table.

6. The business logic server of claim 1, wherein the at least one priority data structure includes a priority mapping table, an off-peak setting table, and a resource allocation table.

15 7. The business logic server of claim 1, wherein the data download comprises a PRL.

8. A method of forming at least one priority data structure and an input file, the method comprising:

20 receiving at least one transmission rule;
establishing in a data storage medium at least one priority data structure that defines the at least one transmission rule;
receiving a data download;

establishing in a data storage medium an input file;
 formatting the data download into the input file; and
 transmitting the input file and the at least one priority data structure to a network
 logic server.

5

9. The method of claim 8 further comprising:
 receiving a transaction report from the network logic server;
 examining the transaction report for a result code; and
 placing the result code in a log file.

10

10. A business logic server comprising, in combination:
 means for receiving at least one transmission rule;
 means for establishing in a data storage medium at least one priority data structure
 that defines the at least one transmission rule;

15

means for receiving a data download;
 means for establishing in a data storage medium an input file;
 means for formatting the data download into the input file; and
 means for transmitting the input file and the at least one priority data structure to a
 network logic server.

20